

ABSTRACT OF THE DISCLOSURE

A solid-state image sensor has a sensor array that includes an array of pixel cells. The solid-state image sensor sequentially selects one line from plural lines of the sensor array and sequentially reads out signal charge and reset levels of pixel photosensor cells belonging to the selected line via first and second optical-signal common output lines and first and second noise-signal common output lines. Differential signals are amplified and output via signal less noise (S-N) read-out circuits. The optical-signal and the noise-signal common output lines are arranged parallel to one another in the sequence of the first optical-signal common output line, the first noise-signal common output line, the second noise-signal common output line, and the second optical-signal common output line. The solid stage image sensor may be used in a camera and in a camera control system.